

CONTENTS VOLUME 86

Vol. 86 No. 1 2003

OLIVER M. O'REILLY and BENJAMIN L. THOMA / On the Dynamics of a Deformable Satellite in the Gravitational Field of a Spherical Rigid Body	1-28
S. BOUQUILLON, H. KINOSHITA and J. SOUCHAY / Extension of Cassini's Laws	29-57
V. KOBLIK, E. POLYAKHOVA and L. SOKOLOV / Controlled Solar Sail Transfers into Near-Sun Regions Combined with Planetary Gravity-Assist Flybys	59-80
VASILE MIOC, ERNESTO PÉREZ-CHAVELA and MAGDA STAVINSCHI / The Anisotropic Schwarzschild-Type Problem, Main Features	81-106

Vol. 86 No. 2 2003

MIQUEL A. ANDREU / Preliminary Study on the Translunar Halo Orbits of the Real Earth-Moon System	107-130
PRZEMYSŁAW BARTCZAK and SŁAWOMIR BREITER / Double Material Segment as the Model of Irregular Bodies	131-141
MARTÍN LARA / Repeat Ground Track Orbits of the Earth Tesseral Problem as Bifurcations of the Equatorial Family of Periodic Orbits	143-162
MONTSERRAT CORBERA and JAUME LLIBRE / Periodic Orbits of a Collinear Restricted Three-Body Problem	163-183
DONG EUI CHANG and JERROLD E. MARSDEN / Geometric Derivation of the Delaunay Variables and Geometric Phases	185-208

Vol. 86 No. 3 2003

D. VOYATZI and S. ICHTIAROGLOU / Two-parametric Families of Orbits and Multiseparability of Planar Potentials	209-221
G. CARPENTIER and F. ROOSBEEK / Analytical Development of Rigid Mercury Nutation Series	223-236
ALEXEI V. TSYGVINTSEV / Non-existence of New Meromorphic First Integrals in the Planar Three-body Problem	237-247
A. I. NEISHTADT, D. J. SCHEERES, V. V. SIDORENKO, P. J. STOOKE and A. A. VASILIEV / The Influence of Reactive Torques on Comet Nucleus Rotation	249-275



LORENZO IORIO / The Impact of the Static Part of the Earth's Gravity Field on Some Tests of General Relativity with Satellite Laser Ranging	277-294
---	---------

Book Reviews

ALESSANDRO MORBIDELLI / Modern Celestial Mechanics: Aspects of Solar System Dynamics	295-296
HANS G. WALTER and OJARS J. SOVERS / Astrometry of Fundamental Catalogues: The Evolution from Optical to Radio Reference Frames	297-298
GEORGE CONTOPOULOS / Order in Chaos in Dynamical Astronomy	299-300

Vol. 86 No. 4 2003

ZSOLT SÁNDOR and BÁLINT ÉRDI / Symplectic Mapping for Trojan-type Motion in the Elliptic Restricted Three-body Problem	301-319
BRUNO SICARDY and VÉRONIQUE DUBOIS / Co-orbital Motion with Slowly Varying Parameters	321-350
MOHAMED A. SHARAF and AMR A. SHARAF / Homotopy Continuation Method of Arbitrary Order of Convergence for the Two-body Universal Initial Value Problem	351-362
SYLVIE JANCART, ANNE LEMAITRE and VINCENT LETOCART / The Role of the Inclination in the Captures in External Resonances in the Three Body Problem	363-383
Instructions for Authors	385-390
Volume Contents	391-392

